

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): GUOGEN ZHANG, FEN-LING LIN, JUNG-HSIN HU, YAO-CHING S. CHEN, YUN WANG,  
and GLENN M. YUKI

Docket: SVL920030024US1

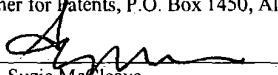
Title: DYNAMIC SELECTION OF OPTIMAL GROUPING SEQUENCE AT RUNTIME FOR  
GROUPING SETS, ROLLUP AND CUBE OPERATIONS IN SQL QUERY PROCESSING

CERTIFICATE OF MAILING UNDER 37 CFR 1.10

**'Express Mail' mailing label number: EV329956232US**

**Date of Deposit: July 29, 2003**

I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office  
To Addressee' service under 37 CFR 1.10 and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria,  
VA 22313-1450.

By:   
Name: Suzie McLeave

22240 U.S. PTO  
10/629459  
07/29/03

**MAIL STOP PATENT APPLICATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

We are transmitting herewith the attached:

- ☒ Transmittal sheet, in duplicate, containing Certificate Of Mailing Under 37 CFR 1.10.
- ☒ Utility Patent Application: Spec. 29 pgs; 9 claims; Abstract 1 pg(s).  
The fee has been calculated as shown below in the "Claims as Filed" table.
- ☒ 6 sheets of Drawings.
- ☒ A signed Declaration and Power of Attorney.
- ☒ Assignment of the invention to INTERNATIONAL BUSINESS MACHINES CORPORATION, Recordation  
Form Cover Sheet.
- ☒ A charge to Deposit Account in the amount of \$750.00 to cover the Filing Fees.
- ☒ A charge to Deposit Account in the amount of \$40.00 to cover the Assignment Recordation Fee.
- ☒ Return postcard.

**CLAIMS AS FILED**

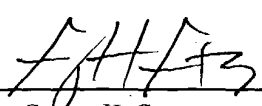
Number of Claims Filed	In Excess of:	Number Extra	Rate	Fee
<b>Basic Filing Fee</b>				\$750.00
<b>Total Claims</b>				
9	20	0	x \$18.00 =	\$0.00
<b>Independent Claims</b>				
3	3	0	x \$84.00 =	\$0.00
<b>MULTIPLE DEPENDENT CLAIM FEE</b>				\$0.00
<b>TOTAL FILING FEE</b>				\$750.00

Please charge all fees to Deposit Account No. 09-0460 of I.B.M. Corporation, the assignee of the present application. A duplicate of this sheet is enclosed.

CUSTOMER NUMBER 22462

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(PTO TRANSMITTAL - NEW FILING)